

VT No. 11-1523

# 110 CI Cylinder Kit

## Installation Requirements

Separate purchase and installation of extra parts or accessories may be required for proper installation of this kit.

### NOTE

*Do not use stock CVO pistons with the 4" Bolt-on Cylinders or interference occurs between the pistons and crankcase.*

## WARNING

**The rider's safety depends upon the correct installation of this kit. Use the appropriate service manual procedures. Improper installation of this kit could result in death or serious injury.**

### NOTE

*This instruction sheet references service manual information. A service manual for your model motorcycle is required for this installation.*

### NOTES

*This kit is intended for High Performance or Racing applications only and is not legal for sale or use on pollution controlled motor vehicles. This kit may reduce or void the limited vehicle warranty.*

*Engine-related performance parts are intended FOR THE EXPERIENCED RIDER ONLY.*

## REMOVAL

### Prepare for Service

1. Disarm security system.
2. Raise the motorcycle.
3. See the service manual. Remove seat.
4. See the service manual. Remove main fuse.

## WARNING

**When servicing the fuel system, do not smoke or allow open flame or sparks in the vicinity. Gasoline is extremely flammable and highly explosive, which could result in death or serious injury.**

5. See the service manual. Remove fuel tank.

### Remove Engine Components

1. See the service manual. Remove existing air cleaner assembly.
2. See the service manual. Remove existing exhaust system.
3. See the service manual. Disassemble engine top end.

## INSTALLATION

### Install Engine and Clutch Components

1. See Figure 1 through Figure 3. Assemble engine top end using parts from kit. See the instruction sheet included with the pistons. See the appropriate ENGINE sections in the service manual.
2. See the service manual. Install exhaust system.
3. Install air cleaner assembly. Follow instructions in air cleaner kit.

### Final Assembly

1. See the service manual. Install fuel tank.
2. See the service manual. Install seat.
3. See the service manual. Install main fuse.

## WARNING

**After installing seat, pull upward on seat to be sure it is locked in position. While riding, a loose seat can shift causing loss of control, which could result in death or serious injury.**

## NOTICE

**You must recalibrate the ECM when installing this kit. Failure to properly recalibrate the ECM can result in severe engine damage.**

4. Refer to Catalog.
5. Run engine. Repeat several times to verify proper operation.